

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE FLOW OF A FLUID IN AN AIR-CONDITIONING AND/OR HEATING SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEUERN DES DURCHFLUSSES EINER KLIMA- UND/ODER HEIZUNGSANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR CONTRÔLER LE DÉBIT D'UN FLUIDE DANS UN SYSTÈME DE CLIMATISATION ET/OU DE CHAUFFAGE

Publication

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Application

**EP 19195464 A 20190904**

Priority

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Abstract (en)

[origin: EP3623896A1] A process and a device are described, for controlling a flow of a carrier fluid through a service line (5) of a conditioning and/or heating system (1). The service line comprises a heat exchange unit (7), a flow regulator (8), one or more temperature sensors (9; 9a, 9b) for detecting a temperature difference ( $\Delta T_{\text{sub}i}$ ) between the carrier fluid in a first section (5a) of the service line (5) upstream of said heat exchange unit (7) and carrier fluid in a second section (5b) of the same service line (5) downstream of the same heat exchange unit (7). The control process comprises calculating a value assumed by a control parameter ( $P_c$ ) which is a function of at least one or more values assumed by the temperature difference in the transition of the flow regulator from a first to a second operating condition, for then determining whether the value of the control parameter ( $P_c$ ) is higher or not than a threshold (S). Based on the above, the device and process are able to find an optimal operating conditioning and/or heating system (1).

IPC 8 full level

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